

WE CLAIM:

1. A process for producing a coated comestible comprising:
 - a) placing a batch of comestible cores in a coating drum having an internal drum length of at least 4 feet;
 - b) applying one or more coating syrups in multiple aliquots, with drying between applications, to build up a coating on the cores; and
 - c) adding a quantity of particulates to the cores in the coating drum before the last applied aliquot of coating syrup has dried, such that the particulates are uniformly applied across the length of the bed and stick to the coating on the cores.
2. The process of claim 1 wherein the particulates comprise a material selected from the group consisting of colored speckle particulates, solid high-intensity sweeteners, solid physiological cooling agents, solid flavors, granular food acids, and powdered medicaments.
3. The process of claim 1 wherein the particulates comprise powdered caffeine.
4. The process of claim 1 wherein the last applied aliquot of coating syrup comprises the final aliquot of coating syrup applied to the cores.
5. The process of claim 1 wherein the particulates are applied to the cores over a period of time that lasts between about 30 seconds and about 5 minutes.
6. The process of claim 1 wherein the batch of cores weighs at least 500 kg.
7. The process of claim 1 wherein the batch of cores weighs at least 1000 kg.

8. The process of claim 1 wherein the particulates are applied through multiple particulate distributors within the drum.

9. The process of claim 8 wherein the ratio of particulate distributors to drum length is at least 1 distributor for every two feet of drum length.

10. The process of claim 1 wherein the quantity of particulates is divided into multiple portions prior to its addition to the drum.

11. The process of claim 10 wherein the quantity of particulates is divided into portions using a vibratory pan.

12. The process of claim 1 wherein the internal drum length is at least 8 feet.

13. The process of claim 1 wherein the comestible cores comprise a confectionery.

14. The process of claim 13 wherein the confectionery is selected from the group consisting of pressed tablets and chewing gum.

15. A process for producing a batch of coated comestible cores having speckles uniformly distributed on the coating of each of the cores in the batch, comprising the steps of:

a) adding a batch of comestible cores containing at least 200 kg of cores to a coating apparatus;

b) applying aliquots of coating syrup to the cores in the apparatus to build up a coating on the cores; and

c) while the cores are still wet from the application of coating syrup, applying about 0.2 to about 2 grams of speckle particulates per 1000 grams of coated cores in the batch.

16. The process of claim 15 wherein the speckle particulates are applied at a level of between about 0.6 and about 1 gram per 1000 grams of coated cores.

17. The process of claim 15 wherein the application of the speckle particulates is carried out in less than 1 second per 1000 grams of coated cores.

18. The process of claim 15 wherein the application of the speckle particulates is carried out in less than 0.5 seconds per 1000 grams of coated cores.

19. The process of claim 15 wherein the comestible cores comprise chewing gum pellets.

20. The process of claim 15 wherein the coating comprises a hard crunchy coating.

21. The process of claim 15 wherein the coating comprises a soft panned coating.

22. A process for uniformly applying particulates to coated comestible cores comprising the steps of:

- a) placing a batch of comestible cores in a coating apparatus;
- b) applying aliquots of coating syrup to build up a coating on the cores; and
- c) applying particulates to the cores while they are still wet with coating syrup, the particulates being applied from multiple, spaced apart, particulate distributors within the coating apparatus, the application of the particulates occurring simultaneously from each of the multiple particulate distributors.

23. The process of claim 22 wherein the multiple particulate distributors comprise multiple hoses each having a discharge outlet within the coating apparatus.

24. The process of claim 23 wherein each discharge outlet includes a conical diverter.

25. The process of claim 22 wherein the multiple particulate distributors comprises at least four distributors.

26. The process of claim 22 wherein a wax coating is applied to the coated cores over the particulates.

27. A process for applying particulates to a plurality of comestible cores during the production of coated comestible cores comprising the steps of:

- a) placing a batch of comestible cores in a coating apparatus;
- b) applying aliquots of coating syrup while the cores are tumbled in the coating apparatus to build up a coating on the cores;
- c) dividing a predetermined total amount of particulates to be applied to the coated cores into at least three portions of approximately equal size; and
- d) applying each of the portions of particulates to the coated cores simultaneously from a different particulate distributor in the coating apparatus while the coated cores are being tumbled.

28. The process of claim 27 wherein the total amount of particulates is divided by dividers defining separate lanes in a sloped, vibratory pan.

29. The process of claim 27 wherein each of the particulate portions is pneumatically conveyed to the coating apparatus by a separate hose.

30. The process of claim 27 wherein the total amount of particulates is still being divided into the portions when the first part of each portion starts to be applied to the cores in the coating apparatus.

31. The process of claim 27 wherein at least 90% of the total particulates are applied to the coated cores at a uniform rate of amount per unit of time.

32. The process of claim 31 wherein said at least 90% of the particulates are applied to the coated cores at a uniform rate of between about

0.002 grams/second and about 0.006 grams/second per 1000 grams of coated cores.

33. The process of claim 27 wherein the speed at which the coated cores are tumbled during the application of particulate is slower than the speed at which the cores are tumbled during application of the aliquots of coating syrup.

34. A process for producing comestible cores with a uniformly colored background coating and speckle particulates of a contrasting color comprising the steps of:

- a) adding a batch of comestible cores to a coating apparatus;
- b) applying aliquots of coating syrup, at least some of which have a light colored pigment therein, to the cores in successive operations to build up a light colored coating on the cores;
- c) providing a quantity of speckle particulates that have a contrasting color to the light colored pigment and a generally uniform size distribution;
- d) applying the quantity of speckle particulates to the cores in the coating apparatus while the coating syrup is still wet so that the speckle particulates stick to the light colored coating; and
- e) drying the wet coating syrup with the speckle particulates thereon rapidly after the speckle particulates are applied to avoid transfer of color from the speckle particulates on one coated core to the background coating on other cores in the batch.

35. The process of claim 34 wherein the speckle particulates have a size distribution such that less than 30% of the speckle particulates will pass through a #60 U.S. standard sieve, and at least 90% of the speckle particulates will pass through a #20 U.S. standard sieve.

36. The process of claim 35 wherein the speckle particulates have a size distribution such that at least 45% of the speckle particulates will be retained on a #40 U.S. standard sieve.

37. The process of claim 34 wherein the speckle particulates have a size such that the longest dimension of a majority of the speckle particulates is between about 0.2 mm and about 0.6 mm.

38. The process of claim 34 wherein the coating syrup includes titanium dioxide as a pigment to produce a white background coating on the cores.

39. The process of claim 34 wherein the speckle particulates comprise particles having at least one contrasting color selected from the group consisting of blue, green, red and purple.

40. The process of claim 39 wherein more than one color of speckle particulates is applied.

41. The process of claim 34 wherein the coating syrup is aqueous based.

42. The process of claim 34 wherein the speckle particulates comprise color and a material selected from the group consisting of gum arabic and sodium alginate.

43. The process of claim 34 wherein the speckle particulates comprise about 0.2% to about 2% color.

44. A batch of at least 1000 kg of coated comestible cores in a coating apparatus, each of the coated cores having a hard crunchy coating of a first color and speckles of a second color randomly distributed over the cores, the cores in the batch having a generally uniform number of speckles from one coated core to the next.

45. The batch of coated cores of claim 44 wherein the uniformity of distribution is such that when a representative sample of at least 100 coated cores

is divided into at least five classifications based on the number of speckles on the cores, at least 60% of the samples are within two adjacent classifications.

46. The batch of coated cores of claim 44 wherein the coating comprises xylitol.

47. The batch of coated cores of claim 44 wherein the coating comprises maltitol.

48. The batch of coated cores of claim 44 wherein the first color comprises white.

49. The batch of coated cores of claim 44 wherein the coated comestible is a confectionery with a mint flavor.

50. The batch of coated cores of claim 44 wherein the coating comprises a mint flavor.

51. An apparatus for producing coated comestible cores with particulates in the coating comprising:

- a) a rotating drum having an internal drum length of at least 4 feet for holding and tumbling comestible cores during a coating operation;
- b) at least one syrup applicator for applying a coating syrup to the cores within the rotating drum; and
- c) a plurality of spaced apart, particulate distributors, each connected to a source of particulates, and placed within the drum so as to uniformly distribute particulates to the cores while the drum is rotating.

52. The apparatus of claim 51 wherein each of the particulate distributors is connected to a separate particulate supply source.

53. The apparatus of claim 52 wherein the particulates are delivered pneumatically to the particulate distributors, each distributor being connected to a separate pneumatic hose.

54. The apparatus of claim 53 wherein the separate particulate supply sources comprise a vibratory pan feeding particulates into venturi eductors, with each eductor being connected to a different pneumatic hose.

55. The apparatus of claim 52 wherein the separate particulate supply sources comprise a vibratory pan with dividers that divide a quantity of particulates to be applied to one batch of cores within the drum into a number of portions equal to the number of particulate distributors.

56. The apparatus of claim 51 wherein the drum is about 8 to about 12 feet in length and the plurality of particulate distributors comprise at least 5 distributors.

57. The apparatus of claim 51 wherein each particulate distributor is located between about 18 inches and about 32 inches from another particulate distributor.

58. The apparatus of claim 51 wherein the drum is at least 2 feet in internal diameter.

59. An apparatus for producing coated comestible cores with particulates in the coating comprising:

- a) a rotating drum for holding and tumbling comestible cores during a coating operation;
- b) at least one syrup applicator for applying coating syrup to the cores within the rotating drum;
- c) a plurality of spaced apart, particulate distributors placed within the drum; and
- d) a source of particulates that is controlled so as to supply particulates simultaneously to each of the particulate distributors so as to uniformly distribute particulates to the cores while the drum is rotating.

60. The apparatus of claim 59 wherein the rotating drum is designed for minimal longitudinal movement of the cores while the cores are being coated with particulates.

61. An apparatus for producing coated comestible cores with particulates in the coating comprising:

- a) a coating apparatus for holding and tumbling comestible cores during a coating operation;
- b) at least one syrup applicator for applying a coating syrup to the cores within the coating apparatus; and
- c) a plurality of spaced apart, particulate distributors placed within the coating apparatus, each of the particulate distributors being connected to a supply of particulates.

62. The apparatus of claim 61 wherein each of the particulate distributors is connected to a different pneumatic hose which conveys the particulates in a suspended form.

63. An apparatus for automatically coating comestible cores with a coating having particulates therein, the apparatus comprising:

- a) a coating apparatus for holding and tumbling comestible cores during a coating operation;
- b) at least one syrup applicator for applying coating syrup to the cores within the coating apparatus;
- c) a controller connected to the at least one syrup applicator that controls the application of syrup in separate aliquots;
- d) at least one particulate distributor placed within the coating apparatus connected to a supply of particulates; and
- e) a controller connected to the particulate supply that automatically activates the supply of particulates to the at least one particulate distributor at a predetermined time after a predetermined aliquot of syrup has been applied.

64. The apparatus of claim 63 wherein the at least one particulate distributor comprises at least four spaced apart distributors.

65. The apparatus of claim 63 wherein the at least one particulate distributor distributes speckle particulates after the last application of coating syrup.

66. An apparatus for applying particulates to a batch of coated comestible cores comprising:

- a) a rotating body for holding and tumbling the comestible cores;
- b) at least one syrup applicator for applying coating syrup to the tumbling cores; and
- c) a particulate applicator comprising
 - i) at least one particulate distributor positioned to distribute particulates on the tumbling cores;
 - ii) a number of venturi eductors equal to the number of particulate distributors;
 - iii) a pneumatic hose connected between each venturi eductor and each particulate distributor; and
 - vi) a vibratory pan for holding a quantity of particulates and causing the particulates to vibrate and flow at a uniform rate into each venturi eductor.

67. An apparatus for dividing a quantity of particulates into generally equal portions for uniform application to a batch of coated comestible cores comprising:

- a) a sloped vibratory pan; and
- b) one or more dividers in the pan, each running generally parallel with the direction of slope, defining a plurality of lanes between the one or more dividers and the sides of the pan.

68. The apparatus of claim 67 further comprising an adjustable height gate associated with each lane to control the rate at which particulates enter the lane as the pan is vibrating.

69. The apparatus of claim 68 wherein each gate height may be adjusted independently.

70. The apparatus of claim 67 further comprising a venturi eductor associated with each lane to entrain particulates from that lane into a flowing air stream.

71. The apparatus of claim 68 further comprising a pneumatic hose connected to each venturi eductor.

72. The apparatus of claim 71 further comprising an air supply tank to which each of the pneumatic hoses is connected to supply uniform air pressure to each venturi eductor.

73. The apparatus of claim 72 wherein the air in the air supply tank is supplied at a pressure of about 1.5 psi.

101. A process for producing a coated comestible comprising:

- a) placing a batch of comestible cores in a coating apparatus having an internal length of at least 4 feet;
- b) applying one or more coating syrups in multiple aliquots, with drying between applications, to build up a coating on the cores; and
- c) adding a quantity of particulates to the cores in the coating drum before the last applied aliquot of coating syrup has dried, such that the particulates are uniformly applied across the length of the bed and stick to the coating on the cores.

102. A process for producing a batch of coated comestible cores having speckles uniformly distributed on the coating of each of the cores in the batch, comprising the steps of:

- a) adding a batch of comestible cores containing at least 200 kg of cores to a coating apparatus;
- b) applying aliquots of coating syrup to the cores in the apparatus to build up a coating on the cores; and
- c) while the cores are still wet from the application of coating syrup, applying about 0.2 to about 2 grams of speckle particulates per 1000 grams of coated cores in the batch.

103. A process for uniformly applying particulates to coated comestible cores comprising the steps of:

- a) placing a batch of comestible cores in a coating apparatus;
- b) applying aliquots of coating syrup to build up a coating on the cores; and
- c) applying particulates to the cores while they are still wet with coating syrup, the particulates being applied from multiple, spaced apart, particulate distributors within the coating apparatus, the application of the particulates occurring simultaneously from each of the multiple particulate distributors.

104. A process for applying particulates to a plurality of comestible cores during the production of coated comestible cores comprising the steps of:

- a) placing a batch of comestible cores in a coating apparatus;
- b) applying aliquots of coating syrup while the cores are tumbled in the coating apparatus to build up a coating on the cores;
- c) dividing a predetermined total amount of particulates to be applied to the coated cores into at least three portions of approximately equal size; and
- d) applying each of the portions of particulates to the coated cores simultaneously from a different particulate distributor in the coating apparatus while the coated cores are being tumbled.

105. A process for producing comestible cores with a uniformly colored background coating and speckle particulates of a contrasting color comprising the steps of:

- a) adding a batch of comestible cores to a coating apparatus;
- b) applying aliquots of coating syrup, at least some of which have a light colored pigment therein, to the cores in successive operations to build up a light colored coating on the cores;
- c) providing a quantity of speckle particulates that have a contrasting color to the light colored pigment and a generally uniform size distribution;
- d) applying the quantity of speckle particulates to the cores in the coating apparatus while the coating syrup is still wet so that the speckle particulates stick to the light colored coating; and
- e) drying the wet coating syrup with the speckle particulates thereon rapidly after the speckle particulates are applied to avoid transfer of color from the speckle particulates on one coated core to the background coating on other cores in the batch.

106. The process of any of claims 101 and 103-104 wherein the particulates comprise a material selected from the group consisting of colored speckle particulates, solid high-intensity sweeteners, solid physiological cooling agents, solid flavors, granular food acids, and powdered medicaments.

107. The process of any of claims 101, 103-104 and 106 wherein the particulates comprise colored speckle particulates.

108. The process of any of claims 101, 103-104 and 106 wherein the particulates comprise powdered caffeine.

109. The process of claim 101 wherein the last applied aliquot of coating syrup comprises the final aliquot of coating syrup applied to the cores.

110. The process of any of claims 101-109 wherein the particulates are applied to the cores over a period of time that lasts between about 30 seconds and about 5 minutes.

111. The process of any of claims 101-110 wherein the batch of cores weighs at least 500 kg.

112. The process of any of claims 101-111 wherein the batch of cores weighs at least 1000 kg.

113. The process of any of claims 101-112 wherein the particulates are applied through multiple particulate distributors within the coating apparatus.

114. The process of claim 113 wherein the coating apparatus comprises a drum and the ratio of particulate distributors to drum length is at least 1 distributor for every two feet of drum length.

115. The process of any of claims 101-114 wherein the quantity of particulates is divided into multiple portions prior to its addition to the coating apparatus.

116. The process of claim 115 wherein the quantity of particulates is divided into portions using a vibratory pan.

117. The process of any of claims 101-116 wherein the internal coating apparatus length is at least 8 feet.

118. The process of any of claims 101-117 wherein the comestible cores comprise a confectionery.

119. The process of claim 118 wherein the confectionery is selected from the group consisting of pressed tablets and chewing gum.

120. The process of any of claims 101-119 wherein the particulates are applied at a level of between about 0.6 and about 1 gram per 1000 grams of coated cores.

121. The process of any of claims 101-119 wherein the application of the particulates is carried out in less than 1 second per 1000 grams of coated cores.

122. The process of any of claims 101-119 wherein the application of the particulates is carried out in less than 0.5 seconds per 1000 grams of coated cores.

123. The process of any of claims 101-122 wherein the comestible cores comprise chewing gum pellets.

124. The process of any of claims 101-123 wherein the coating comprises a hard crunchy coating.

125. The process of any of claims 101-123 wherein the coating comprises a soft panned coating.

126. The process of any of claims 101-125 wherein the particulates are distributed through multiple particulate distributors, each having a discharge outlet within the coating apparatus.

127. The process of claim 126 wherein each discharge outlet includes a conical diverter.

128. The process of any of claims 126-127 wherein the multiple particulate distributors comprises at least four distributors.

129. The process of any of claims 101-128 wherein a wax coating is applied to the coated cores over the particulates.

130. The process of claim 104 wherein the total amount of particulates is divided by dividers defining separate lanes in a sloped, vibratory pan.

131. The process of any of claims 104 and 130 wherein each of the particulate portions is pneumatically conveyed to the coating apparatus by a separate hose.

132. The process of any of claims 104 and 130-131 wherein the total amount of particulates is still being divided into the portions when the first part of each portion starts to be applied to the cores in the coating apparatus.

133. The process of any of claims 104 and 130-132 wherein at least 90% of the total particulates are applied to the coated cores at a uniform rate of amount per unit of time.

134. The process of any of claims 104 and 130-133 wherein said at least 90% of the particulates are applied to the coated cores at a uniform rate of between about 0.002 grams/second and about 0.006 grams/second per 1000 grams of coated cores.

135. The process of any of claims 104 and 130-134 wherein the speed at which the coated cores are tumbled during the application of particulate is slower than the speed at which the cores are tumbled during application of the aliquots of coating syrup.

136. The process of any of claims 101-135 wherein the particulates have a size distribution such that less than 30% of the particulates will pass through a #60 U.S. standard sieve, and at least 90% of the particulates will pass through a #20 U.S. standard sieve.

137. The process of any of claims 101-136 wherein the particulates have a size distribution such that at least 45% of the particulates will be retained on a #40 U.S. standard sieve.

138. The process of any of claims 101-137 wherein the particulates have a size such that the longest dimension of a majority of the particulates is between about 0.2 mm and about 0.6 mm.

139. The process of any of claims 101-138 wherein the coating syrup includes titanium dioxide as a pigment to produce a white background coating on the cores.

140. The process of any of claims 101-139 wherein the particulates comprise speckle particles having at least one contrasting color selected from the group consisting of blue, green, red and purple.

141. The process claim 140 wherein more than one color of speckle particulates is applied.

142. The process of any of claims 101-141 wherein the coating syrup is aqueous based.

143. The process of any of claims 101-142 wherein the particulates comprise color and a material selected from the group consisting of gum arabic and sodium alginate.

144. The process of claim 143 wherein the speckle particulates comprise about 0.2% to about 2% color.

145. A batch of at least 1000 kg of coated comestible cores in a coating apparatus, each of the coated cores having a hard crunchy coating of a first color and speckles of a second color randomly distributed over the cores, the cores in the batch having a generally uniform number of speckles from one coated core to the next.

146. The batch of coated cores of claim 145 wherein the uniformity of distribution is such that when a representative sample of at least 100 coated cores is divided into at least five classifications based on the number of speckles on the cores, at least 60% of the samples are within two adjacent classifications.

147. The batch of coated cores of any of claims 144-146 wherein the coating comprises xylitol.

148. The batch of coated cores of any of claims 145-146 wherein the coating comprises maltitol.

149. The batch of coated cores of any of claims 145-148 wherein the first color comprises white.

150. The batch of coated cores of any of claims 145-149 wherein the coated comestible is a confectionery with a mint flavor.

151. The batch of coated cores of any of claims 145-150 wherein the coating comprises a mint flavor.

152. An apparatus for producing coated comestible cores with particulates in the coating comprising:

- a) a rotating drum having an internal drum length of at least 4 feet for holding and tumbling comestible cores during a coating operation;
- b) at least one syrup applicator for applying a coating syrup to the cores within the rotating drum; and
- c) a plurality of spaced apart, particulate distributors, each connected to a source of particulates, and placed within the drum so as to uniformly distribute particulates to the cores while the drum is rotating.

153. An apparatus for producing coated comestible cores with particulates in the coating comprising:

- a) a rotating drum for holding and tumbling comestible cores during a coating operation;
- b) at least one syrup applicator for applying coating syrup to the cores within the rotating drum;
- c) a plurality of spaced apart, particulate distributors placed within the drum; and

d) a source of particulates that is controlled so as to supply particulates simultaneously to each of the particulate distributors so as to uniformly distribute particulates to the cores while the drum is rotating.

154. An apparatus for producing coated comestible cores with particulates in the coating comprising:

- a) a coating apparatus for holding and tumbling comestible cores during a coating operation;
- b) at least one syrup applicator for applying a coating syrup to the cores within the coating apparatus; and
- c) a plurality of spaced apart, particulate distributors placed within the coating apparatus, each of the particulate distributors being connected to a supply of particulates.

155. An apparatus for automatically coating comestible cores with a coating having particulates therein, the apparatus comprising:

- a) a coating apparatus for holding and tumbling comestible cores during a coating operation;
- b) at least one syrup applicator for applying coating syrup to the cores within the coating apparatus;
- c) a controller connected to the at least one syrup applicator that controls the application of syrup in separate aliquots;
- d) at least one particulate distributor placed within the coating apparatus connected to a supply of particulates; and
- e) a controller connected to the particulate supply that automatically activates the supply of particulates to the at least one particulate distributor at a predetermined time after a predetermined aliquot of syrup has been applied.

156. An apparatus for applying particulates to a batch of coated comestible cores comprising:

- a) a rotating body for holding and tumbling the comestible cores;
- b) at least one syrup applicator for applying coating syrup to the tumbling cores; and
- c) a particulate applicator comprising
 - i) at least one particulate distributor positioned to distribute particulates on the tumbling cores;
 - ii) a number of venturi eductors equal to the number of particulate distributors;
 - iii) a pneumatic hose connected between each venturi eductor and each particulate distributor; and
 - vi) a vibratory pan for holding a quantity of particulates and causing the particulates to vibrate and flow at a uniform rate into each venturi eductor.

157. The apparatus of any of claims 152-156 wherein each of the particulate distributors is connected to a separate particulate supply source.

158. The apparatus of any of claims 152-157 wherein the particulates are delivered pneumatically to the particulate distributors, each distributor being connected to a separate pneumatic hose.

159. The apparatus of any of claims 152-155 wherein the particulate supply sources comprise a vibratory pan feeding particulates into venturi eductors, with each eductor being connected to a different pneumatic hose.

160. The apparatus of any of claims 152-155 wherein the separate particulate supply sources comprise a vibratory pan with dividers that divide a quantity of particulates to be applied to one batch of cores within the drum into a number of portions equal to the number of particulate distributors.

161. The apparatus of any of claims 152-160 wherein the coating apparatus, drum or body is about 8 to about 12 feet in length and the plurality of particulate distributors comprise at least 5 distributors.

162. The apparatus of any of claims 152-161 wherein each particulate distributor is located between about 18 inches and about 32 inches from another particulate distributor.

163. The apparatus of any of claims 152-162 wherein the coating apparatus, drum or body is at least 2 feet in internal diameter.

164. The apparatus of any of claims 152-163 wherein the coating apparatus, rotating drum or rotating body is designed for minimal longitudinal movement of the cores while the cores are being coated with particulates.

165. The apparatus of any of claims 152-164 wherein each of the particulate distributors is connected to a different pneumatic hose which conveys the particulates in a suspended form.

166. The apparatus of any of claims 152-165 wherein the at least one particulate distributor comprises at least four spaced apart distributors.

167. The apparatus of any of claims 152-166 wherein the at least one particulate distributor distributes speckle particulates after the last application of coating syrup.

168. The apparatus of any of claims 156, 159-160 and 165 further comprising an air supply tank to which each of the pneumatic hoses is connected to supply uniform air pressure to each venturi eductor.

169. The apparatus of claim 168 wherein the air in the air supply tank is supplied at a pressure of about 1.5 psi.

170. An apparatus for dividing a quantity of particulates into generally equal portions for uniform application to a batch of coated comestible cores comprising:

- a) a sloped vibratory pan; and
- b) one or more dividers in the pan, each running generally parallel with the direction of slope, defining a plurality of lanes between the one or more dividers and the sides of the pan.

171. The apparatus of claim 170 further comprising an adjustable height gate associated with each lane to control the rate at which particulates enter the lane as the pan is vibrating.

172. The apparatus of claim 171 wherein each gate height may be adjusted independently.

173. The apparatus of claim 172 further comprising a venturi eductor associated with each lane to entrain particulates from that lane into a flowing air stream.

174. The apparatus of claim 173 further comprising a pneumatic hose connected to each venturi eductor.